120

Quality Control

120

Memo

OC5- Inspect part completeness to step on W/O

0.00

0.00

133

\$

											DQA:	Date:	
NCR:	Yes /	No				WORK ORDER NON-C	CON	FORM	MANCE / UI	PDATE		_	
											QA Closed:	Date:	
Work Orde	~~.					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
Work Old	er					Rework	1 I		Skid-tube	Crosstube		Water Jet	Engineering
Part !	No.					Scrap	1 1		Vachining	Small Fab	Pro	d. Eng. Coor.	Quality
. 4	· · · ·					Use-as-is	1		noforming	Finishing	1	re/Packaging	Other
NCR I	No.					Work Order Update	1		Large Fab	Composite	,	Supplier	
Root					Descri	ption of work order update	In	itial	А	ction	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Chie	ef Eng	Des	cription	Date	Verification	QC Inspector
Doc/Data	Ц												
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													•
Supplier													
Training													
Unapproved													
						F	AULT	CATE	GORY				
Landi	ng Gea	ar				General				·	-		-
	В∈	ending				Bend	\square	Grain		L	Ovalized		Pressure/Forced
	Centre Not Concentric to O/S					BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cr	acks				Broken/Damaged		nspecti	or Incomplete		Part Incorre	ct	Weld
	Cr	ushed/0	Crimped.			Burrs		nstruct	ions Incomplete	e/Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cı	uffs				Contamination		Mainte	nance		Part Moved	_	
	Пн	eat Trea	t			Countersink	\Box	Mislabe	eled		Positioned \	N rong	_
	Inspection Strip in Tube					Cut Too Short	d	-	Power Loss,	/Surge	Other		

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde January-09-13							Page 2					
Item ID: D2037-101 Revision ID: Item Name: Arm			Market Control of the	Accept	*N900040100)*	Setup	Start Stop	177	S1* S2*
Start Date: Required Date: Reference:	1/15/13 : 1/24/13	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:						
Approvals:	Process Pla	an.	Date:	Tooling:	Da		Run	Start	*NR1*			
Approvais.	QC:		Date:	SPC (Y/N):	Date:				Sto		*NR2*	
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reje Qty		Reject Number	Insp. Stamp
130 *130*		Identify as per dwg & St	ock Location:	0.00							/2/	3/0-1
Packaging Packaging		Memo		0.00							1910	
140		OC21- Final Inspection	- Work Order Release	0.00								

0.00

Memo

*14**0***

Quality Control

MUS 13-03-01

											DQA:	Date	:		
NCR:	es ,	/ No				WORK ORDER NON-CONFORMANCE / UPDATE									
											QA Closed:	Date	::		
Work Orde	er:					DISPOSITION			AGAINS	T DE	PARTMENT	/PROCESS			
Part No						Rework Scrap Use-as-is Work Order Update	Scrap Machining Small Fab Use-as-is Thermoforming Finishing			g g	•	Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other		
Root					Descri	ption of work order update	Initia	1	Action		Sign &				
Cause		Date	Step	Qty	(or Non-conformance	Chief E	ng	Description		Date	Verification	QC Inspector		
Doc/Data															
Equip/Tooling													,		
Operator											<u> </u>	:			
Material															
Setup															
Other											<u>.</u>				
Process															
Supplier								- 1							
Training								ı							
Unapproved											<u> </u>				
						F	AULT CA	ATEC	GORY						
Landi	ng Ge	ear				General	_			_	,	_			
·	Bending B					Bend	Gra	in		L	Ovalized		Pressure/Forced		
	Centre Not Concentric to O/S					BOM/Route	Har	dwai	re		Over/Under	tolerance	Temperature/Cure		
	Cracks					Broken/Damaged	Insp	ecti	on Incomplete		Part Incorre	ct	Weld		
		crushed/0	Crimped.			Burrs	Inst	ructi	ons Incomplete/Unclear		Part Lost/Mi	issing	Wrong Stock Pulled		
		Cuffs				Contamination	Ma	inte	nance		Part Moved				
	Н	leat Trea	t			Countersink	Mis	labe	led		Positioned V	Vrong _			
	Inspection Strip in Tube					Cut Too Short	Misread				Power Loss/	Surge	Other		

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

January-09-13 12:38:31 PM

Work Order ID:

95394

Parent Item:

D2037-101

Parent Item Name:

Arm

Start Date: 1/15/13

Required Date: 1/24/13

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:A New Issue 05-11-01 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TR0.750W.049 304 RD Tube .750 x .049\	<i>w</i>	Purchased	No			110	f	452.9040	3.916	8.244210 EL /3	§ -/		·- ·-
				Location		Loc Qty	Lo	c Code					
				MAT017		452.9040325							
				109	314	18.666							
				111	619	6							
				112	187	8							
				120	441	0.008734							
				121	170	234.89							
				121	666	15.134							
				122	312	60.31							
				122	468	109.895299				·			

124768 420'

									DQA:	Date:						
NCR: Ye	es / No				WORK ORDER NON-C	ONFORM	MANCE / UF		QA Closed:	Date:						
Work Order	r•				DISPOSITION		AGAINST DEPARTMENT/PROCESS									
Part No					Rework Scrap Use-as-is Work Order Update Skid-tube Machining Machining Small Fab Thermoforming Large Fab Composite				Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other						
Root				Descri	ption of work order update	Initial	A	ction	Sign &							
Cause	Date	Step	Qty	(or Non-conformance	Chief Eng	Des	cription	Date	Verification	QC Inspector					
Doc/Data Equip/Tooling	_															
Operator			:													
Material																
Setup							-									
Other								÷								
Process																
Supplier																

	FAULI CATEGORY													
Landing Gear General						_								
	Bending	Bend		Grain		Ovalized	Pressure/Forced							
	Centre Not Concentric to O/S	BOM/Route		Hardware		Over/Under tolerance	Temperature/Cure							
	Cracks	Broken/Damaged		Inspection Incomplete		Part Incorrect	Weld							
	Crushed/Crimped.	Burrs		Instructions Incomplete/Unclear		Part Lost/Missing	Wrong Stock Pulled							
	Cuffs	Contamination		Maintenance	L	Part Moved								
	Heat Treat	Countersink		Mislabeled		Positioned Wrong								
L	Inspection Strip in Tube	Cut Too Short		Misread		Power Loss/Surge	Other							
	Ripples in Bend	Drill Holes		Offset										
	Torque Waves in Extrusion	Drawing		Out of Calibration										
	Turning Sequence	Finish		Out of Sequence										
	Wave/Twist in Tube	Folio		Outside Dimensions										

Training Unapproved

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

SHOPCLEY RETURN ... ENGINETA : ... UNCONTROLLIBE SUBJECT TO A COLO WITHOUT SOME WORK OR! NO 95394MCJ 13-01-10 D2037-101 ARM INCORPORATED C1.C2 & C3. REDRAWN TO SOLIDWORKS FORMAT WITH CURRENT STANDARDS, ORIGINAL "SOUARE BON" CONFIGURATION DELETED (SEE REV. C FOR FURTHER DETAILS). SHEET 2 DETAIL A NOW INDICATED AS 2 PL. REASON FOR CHANGE: QC/PRODUCTION REQUEST. AJS 08.05.08 С REDRAWN, 0.386 WAS 0.375. RF 99.06.07 В -103 DELETED JB 93.04.20 NOTES:
1) MATERIAL: AISI 304/316, STAINLESS STEEL ROUND TUBE, Ø0.750 x 0.049 WALL REF. DART SPEC M304TR0.750W.049
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 1.50 bs
8) FOR FURTHER INFO SEE DRAWING D2638. NEW ISSUE Α JB 91.10.22 REV. DESCRIPTION BY DATE DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN

DRAWING NO. CHECKED REV. D D2037 MFG. APPR. SHEET 1 OF 2 APPROVED TITLE SCALE ARM DE APPR. NTS DATE COPYRIGHT © 1991 BY DART AEROSPACE LTD 08.05.08

2

